

UF₆ Cylinder Storage Yard Descriptions For East Tennessee Technology Park

At the East Tennessee Technology Park (ETTP) there are six UF₆ cylinder storage yards managed for the Department of Energy. These yards are designated as K-1066-B, K-1066-E, K-1066-F, K-1066-J, K-1066-K, and K-1066-L. The six yards are located in the western and northern portions of the site in areas surrounding the inactive uranium separation facilities.

New yard construction at ETTP has been limited to the K-1066-E Yard upgrade performed in 1995 to convert the former east section gravel yard to concrete. Cylinder movements are underway to remove cylinders from ground contact, support cylinder refurbishment, and place cylinders in improved storage conditions. K-1066-K and K-1066-E Yards house all of the large scale (48-inch diameter) full DUF₆ cylinders. The remaining empty, heel quantity, and partially full cylinders of varying sizes and capacities are stored in all but K-1066-E Yard.

The cylinder storage yards (with the exception of F yard) are considered Nuclear Facilities, Category 2. F yard, formerly used as a staging area for off-site shipment, is considered a Category 3 facility because of the limited number of full cylinders that may be placed in the yard. K Yard is the only yard with complete perimeter fencing because it is located outside of the existing plant perimeter security fence. Recently, a security fence was installed along the west perimeter of K-1066-B Yard and entry into this yard requires a Q Clearance. The yards are posted as a contamination control areas, and TLDs are required. Postings designate the yard location, entry and notification requirements, spacing and stacking requirements where appropriate, and warn of the presence of PCBs on particular cylinders.

All of the yards containing cylinders have radiological monitoring instruments placed at the boundaries by the Tennessee Department of Environmental Conservation (TDEC). Periodic reports are published by TDEC.